AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

- 1. (Currently Amended) A method for producing a carbonic ester, comprising the steps of:
- (1) performing a reaction between a first organometal compound mixture and carbon dioxide, said first organometal compound mixture comprising a mixture of a reactive organometal compound having in its molecule at least two metal-oxygen-carbon linkages and an unregenerable unreactive compound which is derived from said reactive organometal compound and which has in its molecule at least three metal-carbon linkages, wherein said reactive organometal compound comprises at least one compound selected from the group consisting of:

an organometal compound represented by the formula (1):

$$R^{1}_{a} \xrightarrow{M^{1}} (OR^{4})_{d}$$

$$R^{2}_{b} \qquad (1)$$

wherein:

M¹ represents a metal atom selected from the group consisting of elements belonging to Groups 4 and 14 of the Periodic Table, exclusive of silicon;

each of R¹ and R² independently represents a straight chain or branched C₁-C₁₂ alkenyl group, a C₅-C₁₂ cycloalkyl group, a straight chain or branched C₂-C₁₂ alkenyl group, a C₇-C₂₀ aralkyl group comprised of unsubstituted or substituted C₆-C₁₉ aryl and alkyl selected from the group consisting of straight chain or branched C₁-C₁₄ alkyl and C₅-C₁₄ cycloalkyl, or an unsubstituted or substituted C₆-C₂₀ aryl group;

R³ and R⁴ are the same and represent a straight chain or branched C₁-C₁₂ alkyl group, a C₅-C₁₂ cycloalkyl group, a straight chain or branched C₂-C₁₂ alkenyl group, or a C₇-C₂₀ aralkyl group comprised of unsubstituted or substituted C₆-C₁₉ aryl and alkyl selected from the group consisting of straight chain or branched C₁-C₁₄ alkyl and C₅-C₁₄ cycloalkyl; and

each of a and b is an integer of from 0 to 2, a + b = 0 to 2, each of c and d is an integer of from 0 to 4, and a + b + c + d = 4; and

an organometal compound represented by the formula (2):

wherein:

each of M² and M³ independently represents a metal atom selected from the group consisting of elements belonging to Groups 4 and 14 of the Periodic Table, exclusive of silicon;

R⁹ and R¹⁰ are the same as R³ and R⁴; and

each of e, f, g and h is an integer of from 0 to 2, e + f = 0 to 2, g + h = 0 to 2, each of i and j is an integer of from 1 to 3, e + f + i = 3, and g + h + j = 3,

to thereby obtain a reaction mixture containing a carbonic ester formed by the reaction, said unregenerable unreactive compound, and a regenerable metamorphic organometal compound derived from said reactive organometal compound,

- (2) separating said reaction mixture into a first portion containing said carbonic ester and said unregenerable unreactive compound, and a second portion containing said regenerable metamorphic organometal compound, and
- (3) reacting said second portion of said reaction mixture with a first alcohol to form a second organometal compound mixture and water and removing said water from said second organometal compound mixture, said second organometal compound mixture comprising a mixture of a reactive organometal compound having in its molecule at least two metal-oxygen-carbon linkages and an unregenerable unreactive compound which is derived from said reactive organometal compound and which has in its molecule at least three metal-carbon linkages.

- 2. (Original) The method according to claim 1, which further comprises, after step (3), a step (4) in which said second organometal compound mixture obtained in step (3) is recovered and recycled to step (1).
 - 3. (Canceled)
- 4. (Currently Amended) The method according to claim 3 1 or 2, wherein each of R³ and R⁴ in formula (1) and R⁵ and R¹⁰ in formula (2) independently represents an n-butyl group, an isobutyl group, a straight chain or branched C₅-C₁₂ alkyl group, or a straight chain or branched C₄-C₁₂ alkenyl group.
- 5. (Currently Amended) The method according to claim $3 \, \underline{1} \, \text{or} \, \underline{2}$, wherein each of M^1 in formula (1) and M^2 and M^3 in formula (2) represents a tin atom.
- 6. (Currently Amended) The method according to claim 3 1 or 2, wherein said reactive organometal compound used in step (1) is produced from an organotin oxide and an alcohol.
- 7. (Original) The method according to claim 1 or 2, wherein, in step (1), said reactive organometal compound is used in at least one form selected from the group consisting of a monomeric form, an oligomeric form, a polymeric form and an associated form.
- 8. (Original) The method according to claim 1 or 2, wherein, in step (1), said reactive organometal compound is used in an amount which is 1/50 to 1 time the stoichiometric amount relative to the amount of said carbon dioxide.
- 9. (Original) The method according to claim 1 or 2, wherein said reaction in step(1) is performed at 20 °C or higher.
 - 10. (Canceled)

11. (Original) The method according to claim 1 or 2, wherein, in step (2), said separation of said reaction mixture into said first portion and said second portion is performed by at least one separation method selected from the group consisting of distillation, extraction and filtration.

12. (Canceled)

- 13. (Original) The method according to claim 1 or 2, wherein said first alcohol used in step (3) is at least one alcohol selected from the group consisting of an alkyl alcohol having a straight chain or branched C₁-C₁₂ alkyl group, a cycloalkyl alcohol having a C₅-C₁₂ cycloalkyl group, an alkenyl alcohol having a straight chain or branched C₂-C₁₂ alkenyl group, and an aralkyl alcohol having a C₇-C₂₀ aralkyl group comprised of unsubstituted or substituted C₆-C₁₉ aryl and alkyl selected from the group consisting of straight chain or branched C₁-C₁₄ alkyl and C₅-C₁₄ cycloalkyl.
- 14. (Original) The method according to claim 13, wherein said first alcohol has a boiling point which is higher than the boiling point of water, as measured under atmospheric pressure.
- 15. (Original) The method according to claim 14, wherein said first alcohol is at least one alcohol selected from the group consisting of 1-butanol, 2-methyl-1-propanol, an alkyl alcohol having a straight chain or branched C₅-C₁₂ alkyl group, an alkenyl alcohol having a straight chain or branched C₄-C₁₂ alkenyl group, a cycloalkyl alcohol having a C₅-C₁₂ cycloalkyl group, and an aralkyl alcohol having a C₇-C₂₀ aralkyl group comprised of unsubstituted or substituted C₆-C₁₉ aryl and alkyl selected from the group consisting of straight chain or branched C₁-C₁₄ alkyl and C₅-C₁₄ cycloalkyl.

- 16. (Original) The method according to claim 1 or 2, wherein said removal of said water in step (3) is performed by membrane separation.
- 17. (Original) The method according to claim 16, wherein said membrane separation is pervaporation.
- 18. (Original) The method according to claim 1 or 2, wherein said removal of said water in step (3) is performed by distillation.